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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application: Kevin J. Cessac

Appln. No. 09/990,725

Filing Date: November 21, 2001

For: AGRICULTURAL VEHICLE  
DISPENSER REGULATOR  
AND METHOD

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Attorney Docket: PG-112

Art Unit: 3661

Examiner: Richard M. Camby

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CROUP 3600

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

In response to the Office Action dated 16 May 2003, please amend the  
Application as follows:

**Claims**

Claims 2, 3, 6-8, 10, 12, 14-15, 17-19 and 20 remain as originally filed.

Please amend Claims 1, 4-5, 9, 11, 13, 16 and 21 as follows.

**Clean Version of Amended Claims**

1. (**Amended**) A regulator for outputting a signal to an agricultural dispenser for  
applying chemicals to a field or for planting seeds, the regulator comprising:

a GPS unit for outputting a ground speed signal indicative of the velocity of the  
agricultural dispenser in response to satellite signals; and

a converter for converting the ground speed signal to a series of pulses having a  
frequency indicative of the ground speed signal and outputting the series of pulses to  
the agricultural dispenser.

4. (**Amended**) The regulator as defined in Claim 1, wherein the GPS unit  
outputs an updated signal ground speed signal at least every two seconds.